Claims

1. An image processing apparatus including plural image processing means, by which plural kinds of image processing are executed in parallel, comprising:

data transfer means, each of which produces address information for use in storing, in storage means, plural image data sequentially input from image input means, and sequentially transfers and stores the image data to and in the storage means based on the produced address information; and

informing means which informs each of the plural image processing means of the address information of the storage means in which image data to be read is stored upon request of the image data to be read by each of the plural image processing means,

characterized in that said image processing means reads each of the image data to be read based on the informed address information so as to subject it to predetermined image processing.

2. The image processing apparatus as set forth in Claim 1, characterized by further comprising transfer controlling means which sequentially transfers and stores the image data input from the image input means to and in a storage region other than a storage region storing therein the image data to be read out of storage regions forming the storage means until the image data to be read is read by the image processing means.

3. A robot apparatus including plural image processing means, by which plural kinds of image processing are executed in parallel, comprising:

data transfer means, each of which produces address information for use in storing, in storage means, plural image data sequentially input from image input means, and sequentially transfers and stores the image data to and in the storage means based on the produced address information; and

informing means which informs each of the plural image processing means of the address information of the storage means in which image data to be read is stored upon request of the image data to be read by each of the plural image processing means,

characterized in that said image processing means reads each of the image data to be read based on the informed address information so as to subject it to predetermined image processing.

4. The robot apparatus as set forth in Claim 3, characterized by further comprising transfer controlling means which sequentially transfers and stores the image data input from the image input means to and in a storage region other than a storage region storing therein the image data to be read out of storage regions forming the storage means until the image data to be read is read by the image processing means.

5. An image processing method in which plural image processing means execute plural kinds of image processing in parallel, comprising the steps of:

producing address information for use in storing, in storage means, plural image data sequentially input from image input means, so as to sequentially transfer and store the image data to and in the storage means based on the produced address information; and

informing each of the plural image processing means of the address information of the storage means in which image data to be read is stored upon request of the image data to be read by each of the plural image processing means,

characterized in that said image processing means reads each of the image data to be read based on the informed address information so as to subject it to predetermined image processing.

6. The image processing method as set forth in Claim 5, characterized by further comprising the step of sequentially transferring and storing the image data input from the image input means to and in a storage region other than a storage region storing therein the image data to be read out of storage regions forming the storage means until the image data to be read is read by the image processing means.